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AMENDMENT 1
2016-12-15

**Water quality — Enumeration
of *Escherichia coli* and coliform
bacteria —**

Part 1:

**Membrane filtration method for waters
with low bacterial background flora**

AMENDMENT 1

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*Qualité de l'eau — Dénombrement des Escherichia coli et des
bactéries coliformes*

<https://standards.iteh.ai/catalog/standards/sist/b98359a0-78ab-4a58-9864-6d0edd111111/iso-9308-1-2014/amd-1-2016>

*Partie 1: Méthode par filtration sur membrane pour les eaux à faible
teneur en bactéries*

AMENDEMENT 1



Reference number
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Amendment 1 to ISO 9308-1:2014 was prepared by Technical Committee ISO/TC 147, *Water quality*, Subcommittee SC 4, *Microbiological methods*.

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Water quality — Enumeration of *Escherichia coli* and coliform bacteria —

Part 1: Membrane filtration method for waters with low bacterial background flora

AMENDMENT 1

Page 2, Clause 4, second paragraph

Replace the second paragraph with the following.

Incubation of the membrane filter at $(36 \pm 2) ^\circ\text{C}$ for (21 to 24) h.

Page 3, 8.3, first paragraph

Replace the first paragraph with the following.

After filtration (8.2), place the membrane filter on the Chromogenic Coliform Agar (CCA) (B.1), ensuring that no air is trapped underneath, invert the Petri dish, and incubate at $(36 \pm 2) ^\circ\text{C}$ for (21 to 24) h.

Page 4, 11.2

Replace Table 1 with the following.

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Table 1 — Performance testing of Chromogenic Coliform Agar

Function	Incubation	Control strains ^a	Reference medium	Method of control	Criteria (Productivity)	Characteristic reactions
Productivity	(21 to 24) h/ (36 ± 2) °C	<i>E. coli</i> WDCM 00013 or WDCM 00012	TSA	Quantitative	PR ≥ 0,7	Dark-blue to violet colonies
		<i>Ent. aerogenes</i> WDCM 00175 or <i>C. freundii</i> WDCM 00006	TSA	Quantitative	PR ≥ 0,7	Pink to red colonies
Selectivity	(21 to 24) h/ (36 ± 2) °C	<i>E. faecalis</i> WDCM 00087 or WDCM 00009	—	Qualitative	Total or partial inhibition	—
Specificity	(21 to 24) h/ (36 ± 2) °C	<i>P. aeruginosa</i> WDCM 00024	—	Qualitative	—	Colourless colonies

^a Refer to the reference strain catalogue available (viewed 2016-10-28) on http://www.wfcc.info/pdf/WDCM_Reference_Strain_Catalogue.pdf on culture collection strain numbers and contact details.

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